Role of wind energy

†1416. SHRI MANGANI LAL MANDAL: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is a fact that the role of wind energy has become most important in the field of non-conventional energy across the country from the point of view of power generation;

(b) whether it is a fact that India has come to fourth position in the world in the field of power generation through wind energy; and

(c) if so, the potential of power generation in the country through wind energy and the quantum of wind energy being generated in terms of megawatt, State-wise?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) Presently, wind energy is the fastest growing renewable energy sector in the country. Grid interactive wind power installed capacity has been progressively increasing over the last two-three years and it was about 1746 MW in the year 2005-06. Wind power projects aggregating to a capacity of 5340 MW have been installed in the country as on 31st March, 2006.

(b) Yes, Sir. India presently ranks at the fourth position in the world in wind power installations after Germany, Spain and USA.

(c) The gross power wind potential in the country has been estimated at about 45,000 MW. The exploitable potential, which is limited by availability of grid capacity, is presently about 15,000 MW. A cumulative total of about 25.6 billion units of electricity has been generated till end of March, 2006. State-wise wind power installed capacity in terms of megawatt (MW) is given below:

State	Installed Capacity (MW)
Andhra Pradesh	121
Gujarat	338
Karnataka	585
Madhya Pradesh	40
State	Installed Capacity (MW)
Maharashtra	1001
Rajasthan	358
Tamil Nadu	2892
Others (Kerala, West Bengal, Orissa)	5
TOTAL:	5340

†Original notice of the question was received in Hindi.